second pole piece 80 is positioned with respect to the coil-bobbin assembly 64 so that the fingers 84 are misaligned with the fingers 72 on the first pole piece 66 and press fit onto the coil-bobbin assembly 64. The pole assembly 68 could also include a groove 90 that aligns with the expandable seam 44 of the bobbin assembly 42. The groove 90 helps to prevent the excitation winding 48 from slipping into the expandable split 44.

In the Claims:

Please cancel claim 6. Please rewrite Claims 1-3, 5, 7, and 17-18 in their entirety as follows (the changes in these Claims from the previous version to the rewritten version are shown in Appendix A, with brackets for deleted matter and underlines for added matter):

1. (AMENDED) A bobbin for use in an electrical machine comprising a bobbin having an expandable slit extending completely across a section of the bobbin.

2. (AMENDED) A rotor assembly for use in an electrical machine, the assembly comprising:

a bobbin assembly having a split extending completely axially and completely radially through a section of the bobbin assembly for allowing the bobbin to expand;

an excitation winding wrapped around the bobbin assembly; and

a pole assembly for receiving the bobbin wrapped with the excitation winding.

3. (AMENDED) The rotor assembly of claim 2 wherein the pole assembly includes a front pole piece and a rear pole piece, the pole assembly including an integrated hub for receiving the bobbin wrapped with the excitation winding.

5. (AMENDED) The rotor assembly of claim 2 wherein the bobbin assembly comprises a first end cap including the expandable split, a second end cap including the expandable split, and a rigid sleeve including the expandable split, wherein the first and second end caps are attached to the rigid sleeve.

7. (AMENDED) The rotor assembly of claim 5 wherein the expandable splits on the first end cap, second end cap and rigid sleeve are aligned.

17. (AMENDED) A bobbin assembly for use in an electrical machine, the assembly comprising:

a first end cap;

a second end cap;

a rigid sleeve having an expandable split;

wherein the first end cap and second end cap are attached to the rigid sleeve and not unitarily formed with the sleeve.

18. (AMENDED) The bobbin assembly of claim 17 wherein the bobbin assembly is used in a rotor assembly, the rotor assembly further comprising:

an excitation winding wrapped around the bobbin assembly; and

a pole assembly including a front pole piece and a rear pole piece, the pole assembly including an integrated hub for receiving the bobbin assembly wrapped with the excitation winding.